



青 岛 润 昌 化 工 有 限 公 司
QINGDAO SAMIN CHEMICAL CO.,LTD.

SPECIFICATION

Product Name	L-Alanyl-L-Glutamine
CAS №	39537-23-0
Molecular Formular	$C_8H_{15}N_3O_4$
Specification Version	In house standard
Shelf Life	24months
Package	20kg / drum

ITEM

Appearance

Solubility

Specific rotation

Identification

PH

Clarity of solution

Related substances

Chloride(Cl)

Heavy metals(Pb)

Loss on drying

Residue on ignition

Assay(dried sample)

SPECIFICATION

White crystals or crystalline powder

Odorless,a little sweet

Easily soluble in water;do not soluble in ethanol,acetone or ethyl ether.

+9.7-+11.0°

Positive

The retention time is concordant with reference standard

IR spectrum agree with reference standard

5.0-6.5

The color should not thicker than No.3 turbidity reference solution.

If color,the color should not deeper than No.3 yellowt reference solution.

Cyclo-(L-Alanyl-L-Glutamine)≤0.5%

L-Pyroglutamyl-L-Alanyl≤0.15%

L-Pyroglutamyl≤0.05%

N-(2)-D-Alanyl-L-Glutamine≤0.15%

L-Alanyl-L-Glutamate≤0.5%

No.6 impurity≤0.3%

Total impurity≤2.0%

≤0.020%

≤10ppm

≤1.0%

≤0.20%

≥97%

Storage: Store in cool and dry place, in a well-close container, keep away from strong light and heat.

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